

Application No.: 10/092,252
Amendment dated November 13, 2007
After Final Office Action of June 13, 2007

Docket No.: 4035-0148P

AMENDMENTS TO THE DRAWINGS

The attached sheet of drawings includes changes to separately identify

Figures 4A and 4B

Attachment: Replacement Sheet

REMARKS

Applicants thank the Examiner for the thorough consideration given the present application. Claims 1 and 2 are currently being prosecuted. The Examiner is respectfully requested to reconsider his rejections in view of the amendments and remarks as set forth below.

Entry of Amendment

Applicants submit that entry of the present Amendment is appropriate since it includes changes to claim 1 to answer the 35 U.S.C. § 112, second paragraph rejections. Applicants submit that no new issues are presented and that accordingly the Amendment should be entered and given full consideration.

Drawings

The Examiner objected to the drawings as lacking Figures 4A and 4B. By way of the present Amendment, Applicants have added these figure labels to the two figures which were previously identified by Figure 4. Accordingly, this drawing objection is believed to be overcome.

Rejection Under 35 U.S.C. § 112

Claims 1 and 2 stand rejected under 35 U.S.C. § 112, second paragraph as being indefinite. In regard to claim 1, Applicants have removed "base states" and inserted "base stations". This provides antecedent basis. The Examiner points out that the preamble states "said common core network comprising" while line 20 refers to a plurality of common core

networks. By way of the present Amendment, Applicants have amended the preamble to indicate that the system includes a plurality of common core networks.

The Examiner objected to the final paragraph as stating that the networks are arranged via the Internet. Applicants have now reworded this phrase to make it clear that each common core network is connected to the Internet and accesses the other common core networks. In view of the above, Applicants submit that the rejection under 35 U.S.C. § 112, second paragraph has been overcome.

Rejection Under 35 U.S.C. § 102

Claims 1 and 2 stand rejected under 35 U.S.C. § 102 as being anticipated by the article to Xu et al. entitled "DRiVE-ing to the Internet: Dynamic radio for IP surfaces and Vehicular Environments". This rejection is respectfully traversed.

The Examiner points out that Figure 2 of Xu et al. teaches a DRiVE network architecture that includes a DRiVE core network including a mobility management that traces a location of a DRiVE mobile terminal to determine a radio access system effective at a position of the location, a traffic control that coordinates traffic distribution, the DRiVE core network and a plurality of DRiVE core networks arranged via the Internet.

In regard to claim 2, the Examiner states that Xu et al. shows a micromobility management function supporting handover for any DRiVE mobile terminal roaming between base stations and a micromobility management function supporting between a plurality of DRiVE core networks handover for any DRiVE mobile terminal roaming between base stations.

Applicants submit that claims 1 and 2 are not anticipated by this reference. The present invention provides a network system that uses various wireless communication system as a whole by forming a common core network providing a common platform for a plurality of radio communication networks. The common core network acts as a common platform through which all multi-service terminals communicate with each other. That is, all access points of the WANs are connected to this network which provides routing and seamless handovers between the WANs thereby providing a natural integration of the various heterogeneous networks.

Thus, claim 1 now describes a plurality of common core networks with each common core network having a mobility manager with the function of tracing a location of a mobile host to determine access network effective on the position at the location and function for carrying out local handoffs within the common core network and handoffs for external networks based on mobile IP. It also defines a resource manager that coordinates traffic distribution and is responsible for resource allocation and admission control to support the traffic distribution in the common core network. Each common core network is connected to the Internet via a gateway router and to a base station via a base station interface to allow roaming within a homogeneous radio communication network and between heterogeneous radio communication networks in a certain area while ensuring service quality by using the function of the mobility manager and the resource manager. Since the network system of the present invention includes a plurality of the same common core networks, all terminals in the system can communicate with the other terminals with seamless handovers by using the function of the mobility manager and the

resource manager in the common core network, thereby providing a natural integration of the various heterogeneous networks.

This differs from the Xu et al. reference which provides a high quality wireless IP communication and heterogeneous multi-radio environment to deliver vehicle multi-media services enabling universally available access to information and support for education and entertainment. The DRiVE project requests scalable applications that can be distributed and downloaded to different physical entities to actively support the requested services, to make use of service cooperation and available multi-media conversion services. This reference neither teaches a plurality of common core networks nor suggests the function of a mobility manager and resource manager in the common core network of the present invention. Thus, the reference system has a completely different purpose from that of the present invention. Thus, Xu et al. does not teach the same structure of a plurality of common core networks nor the function described in the present claimed invention. In view of this, Applicants submit that claim 1 is not anticipated by this reference.

Claim 2 depends from claim 1 and as such is also considered to be allowable. In addition, claim 2 includes other limitations which makes it additionally allowable.

CONCLUSION

In view of the above remarks, it is believed that the claims clearly distinguish over the publication relied on by the Examiner. In view of this, reconsideration of the rejection and allowance of all the claims are respectfully requested.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Robert F. Gnuse, Reg. No. 27,295, at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37.C.F.R. §§ 1.16 or 1.14; particularly, extension of time fees.

Dated: November 13, 2007

Respectfully submitted,

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Attachments: Replacement Sheet (Figures 4A and 4B)